Gabriel Cardona

List of Publications by Year
in descending order

37 papers	687 citations	14 h-index (623734)	25 g-index (580821)
39 all docs	39 docs citations	39 times ranked	345 citing authors

#	Article	IF	Citations
1	Comparison of Tree-Child Phylogenetic Networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2009, 6, 552-569.	3.0	123
2	Extended Newick: it is time for a standard representation of phylogenetic networks. BMC Bioinformatics, 2008, 9, 532.	2.6	82
3	A distance metric for a class of tree-sibling phylogenetic networks. Bioinformatics, 2008, 24, 1481-1488.	4.1	48
4	Cophenetic metrics for phylogenetic trees, after Sokal and Rohlf. BMC Bioinformatics, 2013, 14, 3.	2.6	48
5	Metrics for Phylogenetic Networks I: Generalizations of the Robinson-Foulds Metric. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2009, 6, 46-61.	3.0	44
6	Tripartitions do not always discriminate phylogenetic networks. Mathematical Biosciences, 2008, 211, 356-370.	1.9	28
7	Nodal distances for rooted phylogenetic trees. Journal of Mathematical Biology, 2010, 61, 253-276.	1.9	26
8	Field of moduli and field of definition for curves of genus 2. , 2005, , .		25
9	Metrics for Phylogenetic Networks II: Nodal and Triplets Metrics. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2009, 6, 454-469.	3.0	22
10	Exact formulas for the variance of several balance indices under the Yule model. Journal of Mathematical Biology, 2013, 67, 1833-1846.	1.9	17
11	Counting and enumerating tree-child networks and their subclasses. Journal of Computer and System Sciences, 2020, 114, 84-104.	1.2	16
12	An algebraic metric for phylogenetic trees. Applied Mathematics Letters, 2009, 22, 1320-1324.	2.7	15
13	On Nakhleh's Metric for Reduced Phylogenetic Networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2009, 6, 629-638.	3.0	15
14	Comparison of Galled Trees. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2011, 8, 410-427.	3.0	15
15	Curves of genus 2 with group of automorphisms isomorphic to ?â‚ˆ or ?â‚â‚„. Transactions of the American Mathematical Society, 2007, 359, 2831-2849.	0.9	15
16	On curves of genus 2 with Jacobian of GL 2 -type. Manuscripta Mathematica, 1999, 98, 37-54.	0.6	14
17	On the number of curves of genus 2 over a finite field. Finite Fields and Their Applications, 2003, 9, 505-526.	1.0	14
18	Curves of genus two over fields of even characteristic. Mathematische Zeitschrift, 2005, 250, 177-201.	0.9	13

#	Article	IF	Citations
19	A perl package and an alignment tool for phylogenetic networks. BMC Bioinformatics, 2008, 9, 175.	2.6	13
20	OTSun, a python package for the optical analysis of solar-thermal collectors and photovoltaic cells with arbitrary geometry. PLoS ONE, 2020, 15, e0240735.	2.5	12
21	A reconstruction problem for a class of phylogenetic networks with lateral gene transfers. Algorithms for Molecular Biology, 2015, 10, 28.	1.2	11
22	Fast algorithm for the reconciliation of gene trees and LGT networks. Journal of Theoretical Biology, 2017, 418, 129-137.	1.7	8
23	Representations of <mml:math altimg="si1.gif" overflow="scroll" xmlns:xocs="http://www.elsevier.com/xml/xocs/dtd" xmlns:xs="http://www.w3.org/2001/XMLSchema" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance" xmlns="http://www.elsevier.com/xml/ja/dtd" xmlns:ja="http://www.elsevier.com/xml/ja/dtd" xmlns:mml="http://www.w3.org/1998/Math/MathML" xmlns:tb="http://www.elsevier.com/xml/common/table/dtd" xmlns:sb="http://www.elsevier.com/xml/common/struct-bib/dtd" xmlns:ce="http://www.elsevier.com/x	0.7	7
24	Path lengths in tree-child time consistent hybridization networks. Information Sciences, 2010, 180, 366-383.	6.9	7
25	Synergy of the ray tracing+carrier transport approach: On efficiency of perovskite solar cells with a back reflector. Solar Energy Materials and Solar Cells, 2019, 200, 110050.	6.2	7
26	Generation of Binary Tree-Child phylogenetic networks. PLoS Computational Biology, 2019, 15, e1007347.	3.2	7
27	Zeta Function and Cryptographic Exponent of Supersingular Curves of Genus 2. Lecture Notes in Computer Science, 2007, , 132-151.	1.3	5
28	On the efficiency of perovskite solar cells with a back reflector: effect of a hole transport material. Physical Chemistry Chemical Physics, 2021, 23, 26250-26262.	2.8	5
29	The Comparison of Tree-Sibling Time Consistent Phylogenetic Networks Is Graph Isomorphism-Complete. Scientific World Journal, The, 2014, 2014, 1-6.	2.1	4
30	â„š-curves and Abelian Varieties of GL2-type from Dihedral Genus 2 Curves. , 2004, , 45-52.		4
31	Revisiting Shao and Sokalâ€™s B2 index of phylogenetic balance. Journal of Mathematical Biology, 2021, 83, 52.	1.9	4
32	The expected value of the squared cophenetic metric under the Yule and the uniform models. Mathematical Biosciences, 2018, 295, 73-85.	1.9	3
33	OTSun Project: Development of a Computational Tool for High-Resolution Optical Analysis of Solar Collectors. , 2016, , .		3
34	Generation of level-k LGT Networks. IEEE/ACM Transactions on Computational Biology and Bioinformatics, 2019, 17, 1-1.	3.0	2
35	The expected value under the Yule model of the squared path-difference distance. Applied Mathematics Letters, 2012, 25, 2031-2036.	2.7	1
36	Reconstruction of LGT networks from tri-LGT-nets. Journal of Mathematical Biology, 2017, 75, 1669-1692.	1.9	1

#	Article	IF	Citations
37	Twists of the genus 2 curve $Y2â€¯=â€¯X6â€¯+â€¯1$. Journal of Number Theory, 2020, 209, 195-211.	0.4	0